

## BOGUS \$20 BILLS MADE AT 44TH ST. AND BROADWAY

Secret Service Men Raid Plant  
in Operation in Heart  
of City.

The discovery of a counterfeiting plant in the heart of New York City—at 44th Street and Broadway—was one of the Secret Service's greatest surprises, and as a result of a record breaking round up, five men will be arraigned to-day. Agents confiscated \$65,000 worth of the counterfeit bills.

On Saturday night several hundred dollars' worth of counterfeit \$20 notes of the Federal Reserve Bank were passed in small business places in Ninth Avenue between 35th and 40th Streets. It was not a well executed counterfeit, but was good enough to deceive the ordinary shop keeper.

When an attempt was made to pass one in a Delancey Street haberdashery Monday Secret Service men, who had been without a clue to Saturday's operators, were tipped off. The dealer had no change and took the bill to the Public National Bank in Orchard Street, where its character was discovered.

The man who tried to pass it was known and was arrested by Capt. John S. Tucker of the Secret Service. When the prisoner's wife visited him she was followed to the Putnam Building, 44th Street and Broadway, where two other men were arrested in Room 315. From information received from them the other two were arrested. The prisoners thus described themselves:

Max Sassanoff, engraver, of No. 1137 Daily Avenue, Bronx, who said he was a singer in the Metropolitan Opera chorus and a former soloist at the Capitol Theatre under the name of "Little Caruso"; Harry Sandler, No. 1237 Brook Avenue, Bronx, said to be Sassanoff's assistant; Peter Garbardi, No. 130 Hester Street, said to have financed the job; Philip Anceid, No. 128 Thompson Street, said to have been the "shover," and the first one arrested; and Jack Mehl of West Hoboken, said to have been the printer.

The Secret Service agents say they found in the Putnam Building room the press, the plates from which the bills were made, which had been mutilated at the last minute, and the \$65,000 in counterfeit bills. They say the prisoners have confessed, saying they had been at work on the spurious notes two months, but did not start passing them until Saturday.

## MUNICIPAL POWER PLANT IN S. I. URGED BY GROVER WHALEN

12,000 Kilowatt Electric  
Plant for City's Needs  
Would Cost \$1,235,000.

Grover A. Whalen, Commissioner of Plant and Structures, has recommended to the Board of Estimate the erection by the city of a 12,000 kilowatt electric power plant on Staten Island to supply current for the operation of municipal piers, trolley lines, trackless trolley routes and ferries. The estimated cost of the plant is \$1,235,000. He recommends the site of the garbage reduction plant. In his report advocating municipal manufacture of electricity Commissioner Whalen says:

"The location will be convenient for tying up ferries for repairs and for the placing of a dry dock in which to overhaul the municipal ferries and other floating equipment of the city. The plant can also be made available as general repair shops for trolley cars, buses and other municipal vehicles, and as a construction equipment and fabricating plant."

"The urgency for the establishment of a municipal electric power plant on Staten Island is the fact that the Dock Department will require current to the extent of 4,000 K. W. and this department's power requirements will amount to 2,000 K. W."

### GUSSIE HUMANN TRIAL IS SET FOR APRIL 3

Free on Murder Charge, Now Accused of Perjury.

Gussie Humann, charged with implication in the killing of Harry Garbe, of Chester Avenue, Woodhaven, on Oct. 27, was brought from Blackwell's Island to the Queens County Supreme Court today. Justice Leander E. Faber set the date of the girl's trial for April 3, on two indictments charging her with perjury and being an accessory after the crime.

Miss Humann, who is twenty-two years old and lives at No. 326 Hatch Avenue, Ozone Park, was tried on a charge of first degree murder, but acquitted at the direction of County Judge Burt J. Humphrey.

Joseph Libinet, 19, of No. 72 Troutman Street, Brooklyn, was tried on an indictment charging him with first degree murder in connection with the killing of Garbe, but the jury disagreed. A week later the youth pleaded guilty to a charge of second degree murder and was sentenced by Supreme Court Justice Van Sien to Sing Sing for twenty years to life.



## News of Wireless Talking Activities and Developments, Musical and Other Programmes of Broadcasting Stations and Answers to Queries Will Be Found in These Columns.

By Capt. Robt. Scofield Wood  
(D. F. C., M. C., Croix de Guerre  
with four palms; formerly Command-  
er 167th Squadron, Royal Air Force.)  
NOTES ON THE STORAGE BATTERY.

The following will serve to answer one hundred and ninety letters on the subject of the storage battery and its adaptability for use with the radio, vacuum tube, receiver. Most people are particularly interested in the use of the regular six volt auto storage battery with which the market is amply supplied.

Any six volt storage battery will serve as an "A" battery for a while, but to have efficiency and economy one must use a battery particularly adapted for the work in the radio field. The average automobile starting battery is purposely made up with thin plates and thin separators between the plates in order to secure high rates of discharge for short periods. The use of the thin plates and thin separators allows more plates per cell, which means high capacity. As the battery when in use is being constantly charged there is no objection to the thin plates and thin separators. In other words the automobile starting battery when in normal use is only partly discharged at any time. Hence, the use of the thin plates and separators is satisfactory for the service for which it was designed.

When, however, a storage battery is wholly discharged, then perhaps recharged for a time before being recharged and this cycle is repeated time after time, we have a condition which requires plates and separators twice as thick as those used in the auto battery. The thicker plates are

necessary in order to stand the cycle of complete discharge. During the idle periods the thick separators lessen the chance of internal discharge. The great advantage of the thick plate battery over the thin plate battery for radio use is the steady voltage which is more or less controlled by the thick plates reacting under the slow rate of discharge.

Each type of battery is designed to meet some certain definite requirements and while the automobile battery can be used for radio work it will not prove efficient or economical. The size of battery best suited for radio use is one for the user to decide. As the battery must be continually recharged, necessitating considerable handling and transportation, the weight plays an important part. Two small batteries are more convenient to handle than one large one and one always has a good battery in reserve for emergency or while the other is being recharged. The sixty-hour type weighs in the neighborhood of thirty pounds and is conveniently handled. There is a lighter battery which has forty hours of energy stored. It also serves the purpose admirably.

### RADIO RUMOR.

The only ray of hope that we have been able to glean in the present vacuum tube shortage is from the rumor that the customs authorities are going to release for sale some hundred thousand foreign made tubes. Let us hope it is very soon because there is surely great need for them.

### THE EVENING WORLD RADIO CLUB.

The Evening World Radio Club is growing in leaps and bounds. If you are a radio buff, fan or ham you can't afford to stay out of this organization. Get in and enjoy all the privileges and service of the greatest amateur radio organization in existence.

Fill in the accompanying membership application blank and forward

it to the Radio Editor, No. 93 Park Row, New York City.

### Nomenclature of Radio

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The following is published for the benefit of all radio enthusiasts. Save these definitions; they will come in handy in the future.

Aerial Circuit consists of aerial and earth, including all coils and condensers which may be between them and forming a direct path to earth and aerial.

Aerial Insulation. Insulation between aerial and its supports. Does not refer to any covering of the aerial wire, which is generally bare.

Aerial Resistance. This refers to its actual ohmic resistance and includes that part of the "earth" under the aerial on which the oscillations act. Aerial resistance multiplied by square of the current in the aerial gives amount of lost energy.

Aerial Switch. A switch used to change over from transmission to reception. Takes the place of the earth arrester.

Aerial Tuning Condenser. Variable condenser in aerial circuit. Used to vary oscillation constant of receiver.

Aerial Wire. Wire forming the aerial.

Aeriform. Term denoting a gaseous body; alike.

A. F. Abbreviation for audi-frequency.

Agglomerate Lechamche. A type of Lechamche cell in which the MnO<sub>2</sub> is mixed with powdered carbon and formed into blocks by hydraulic pressure. These blocks are held in place around the carbon plate. This procedure increases the durability and decreases the internal resistance of the cell.

Air Choke. Air core choke. Hollow coils of wire which act as protectors in the secondary circuit of transformer, permitting the low frequency currents to pass into condenser, but preventing the high frequency currents of closed oscillating circuits from returning, due to fact that high frequency currents produce a greater back E. M. F. in a coil by self-induction than a low frequency current.

### W J Z (Newark) 360 Metres

Daily features.

Hourly news service and music from 11 A. M. to 3 P. M.

Agricultural reports, 12 M. and 6 P. M.

Arlington official time, 11:55 A. M. to 12 M. and 9:52 P. M. to 10:01 P. M.

Shipping news, 2:05 P. M.

Weather reports, 11 P. M., 12 M., 5 P. M. and 10:01 P. M.

7:45 P. M.—"Scenario Writing and the Movies," by John Emerson, author of "Red Hot Romance," also writer of the wild and woolly photoplays for Douglas Fairbanks, whom

### THE EVENING WORLD RADIO CLUB

#### Application For Membership

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he previously directed. Courtesy, Association First National Pictures, Inc.

8:15 P. M.—"Il Traviata," two arias from "Faust," &c., solos by Harriet Van Emden, soprano, who recently made her debut in Aeolian Hall. Courtesy, Aeolian Company.

9:15 P. M.—Selections by the West-House Employees' Association Band, fourteen pieces, conducted by Lewis Morrell.

### W G I (Medford Hillside, Mass.) 360 Metres

City of Boston police reports. Popular musical concert. Humorous Diversion, by Jack Ieberg, the great Eskimo Pie-Eater.

### K D K A (Pittsburgh) 340 Metres

Music—10 A. M. to 10:15 A. M.; 12:30 to 1 P. M.; 2 P. M. to 2:20 P. M., and 4 P. M. to 4:20 P. M.

7:50 P. M.—Music and Uncle Wiggily's Bedtime Story.

7:45 P. M.—Government market reports and a report of the New York Stock Exchange.

8 P. M.—"The Bank Check," by W. O. Phillips, Cashier of the Diamond National Bank, Pittsburgh.

Message from the National Safety Council.

9 P. M.—News.

8:30 P. M.—Music selections.

Selection, "Daughters of the American Revolution," by the Lampe.

Selection, "Basket of Roses," by the Lampe.

Soprano Solo, "Summer—Cycle of Life," by Ronald.

Selection, "Angels' Voices," by Zamenik.

Selection, "Nightingale Overture," by Boettger.

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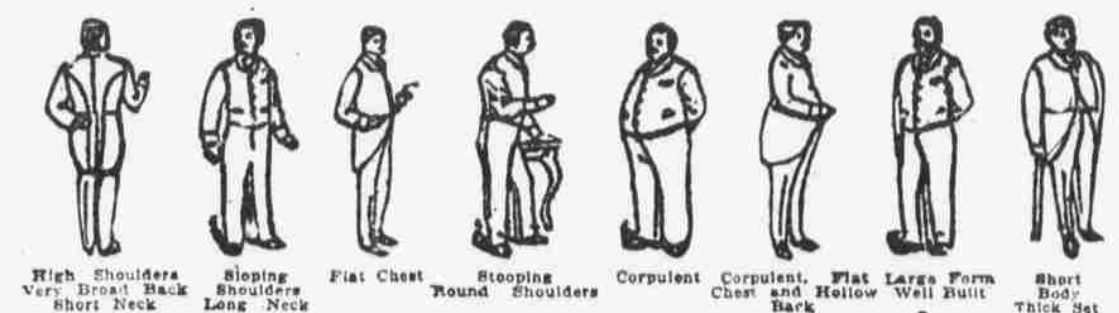
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